



Project: Alaska Copper Works

Inspection Date: 3/7/19

Project No.: 18ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent 90 Effluent 170 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 13 Effluent 13 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 12 Effluent 12

Carbon Filter Pressures (Lead) Influent 10 Effluent 6 The carbon filters should be backflushed if differential pressure > 8 psi

Carbon Filter Pressures (Lag) Influent 4 Effluent 0

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.75 drums onsite
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Inline probe verified with handheld



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water: pH 6.67 Turbidity 19 NTU

Bag Filter Influent pH 7.32 Turbidity 17 NTU

Bag Filter Effluent pH 7.30 Turbidity 12 NTU

Carbon Filter Influent pH 7.88 Turbidity 7 NTU

Carbon Filter Effluent pH 8.15 Turbidity 5 NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: 0

Treatment tank: 0

Backflush tank: 0

Main lift station: -

North lift station: -

South lift station: -

Additional Comments, Recommendations and System Upsets:

David DuBois

Technician

Project Lead Tech

Title

3/7/19

Date

Submit